Ship to Shore Operations
Fuel

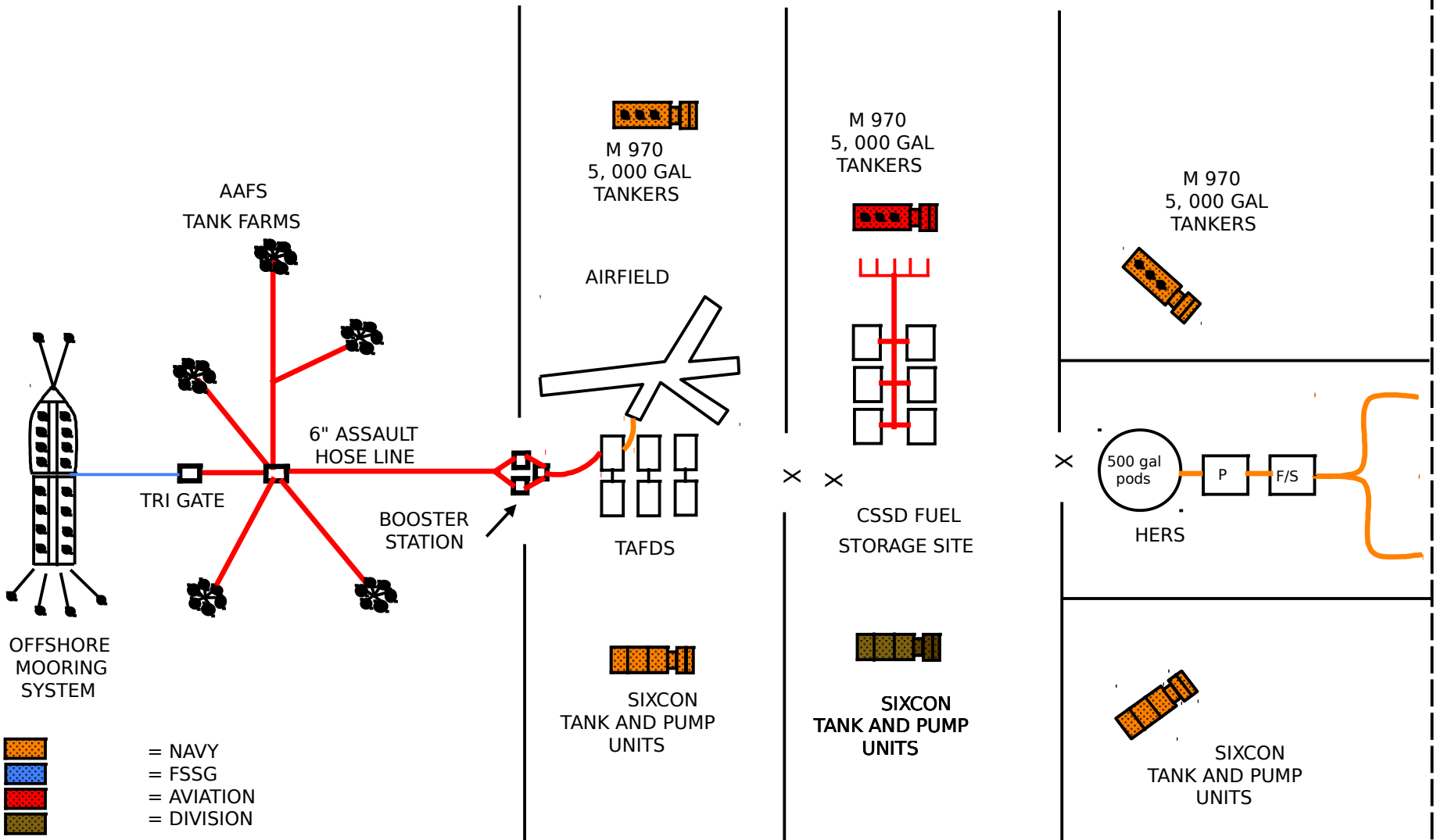
FUEL TO THE BEACH

IT IS THE MISSION OF THE U S NAVY TO DELIVER FUEL TO THE HIGH WATER MARK, DURING AMPHIBIOUS OPERATIONS

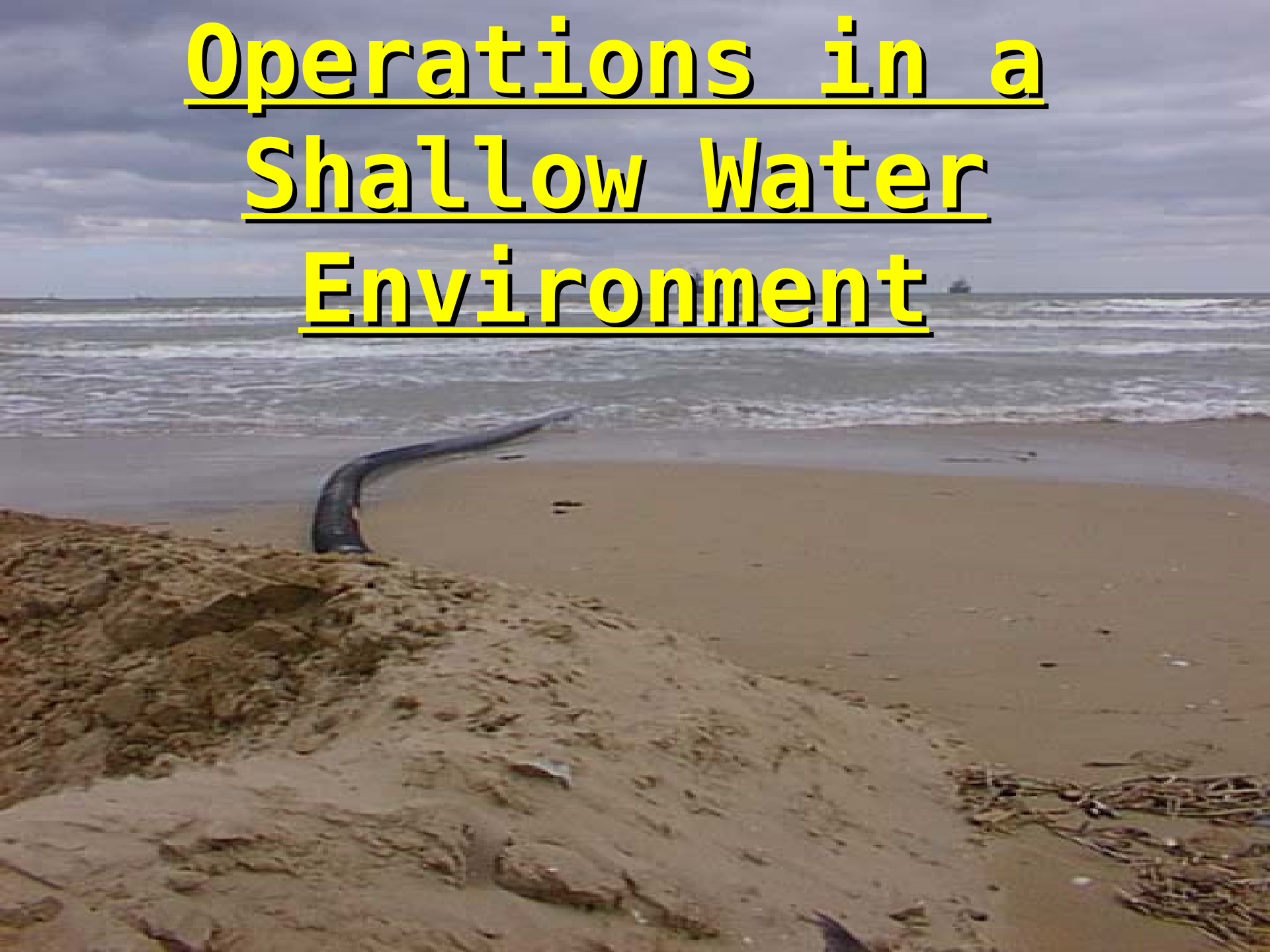
LOGISTICS **O**VER **T**HE **S**HORE **LOTS** (**FUEL**)

- WW II 5 GAL CANS & 55 GAL DRUMS
- AABFS BUOYANT HOSE LINE (**USN**)
- LST, MPF (10,000 FEET)
- OPDS (4 MILES)
- LCAC SHALLOW WATER
- BARGES, HOSES AND BOOSTER STATIONS (10,000 FEET PER)

NAVY/MARINE CORPS
BULK FUEL OPERATIONS



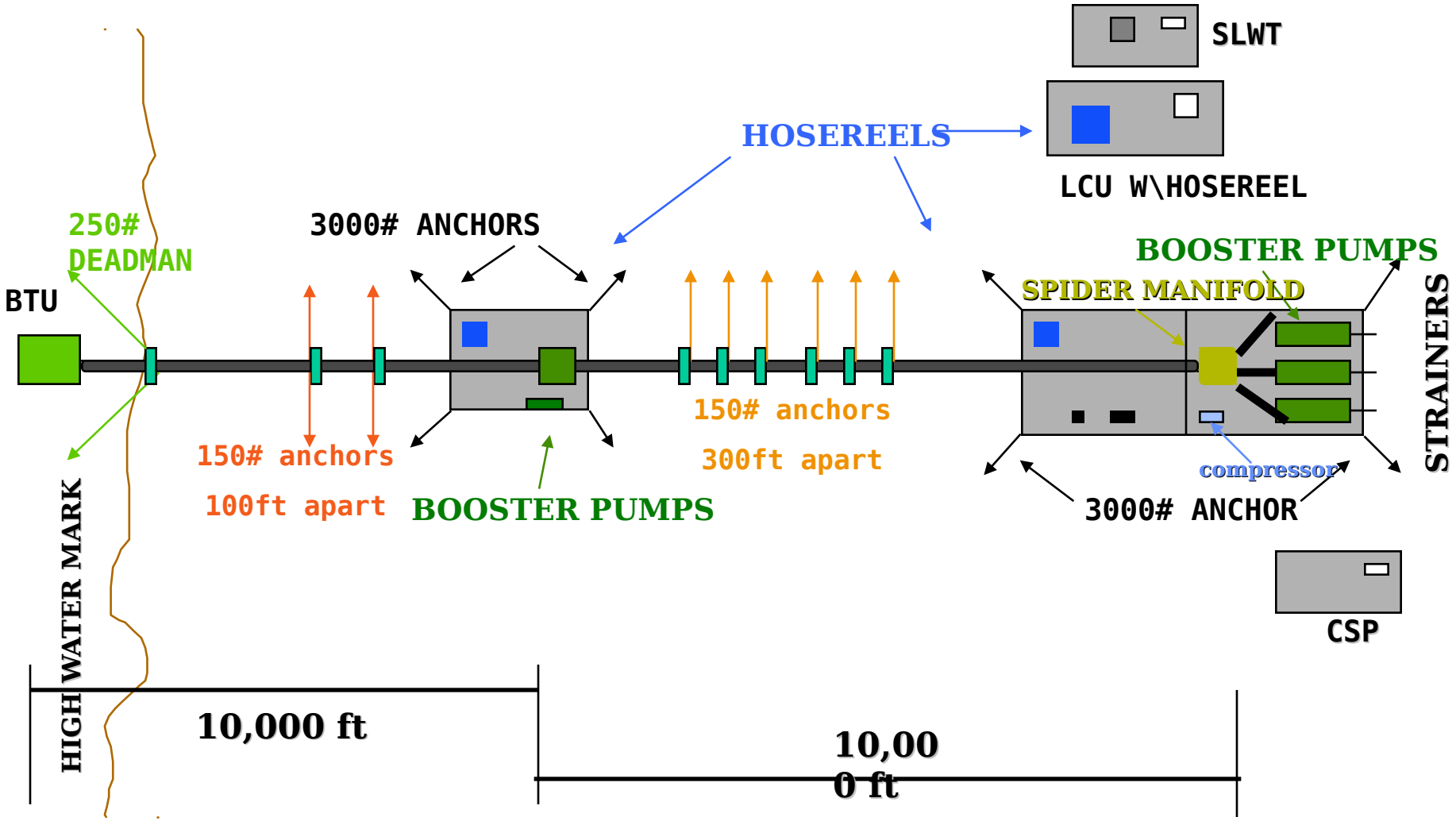
Operations in a Shallow Water Environment

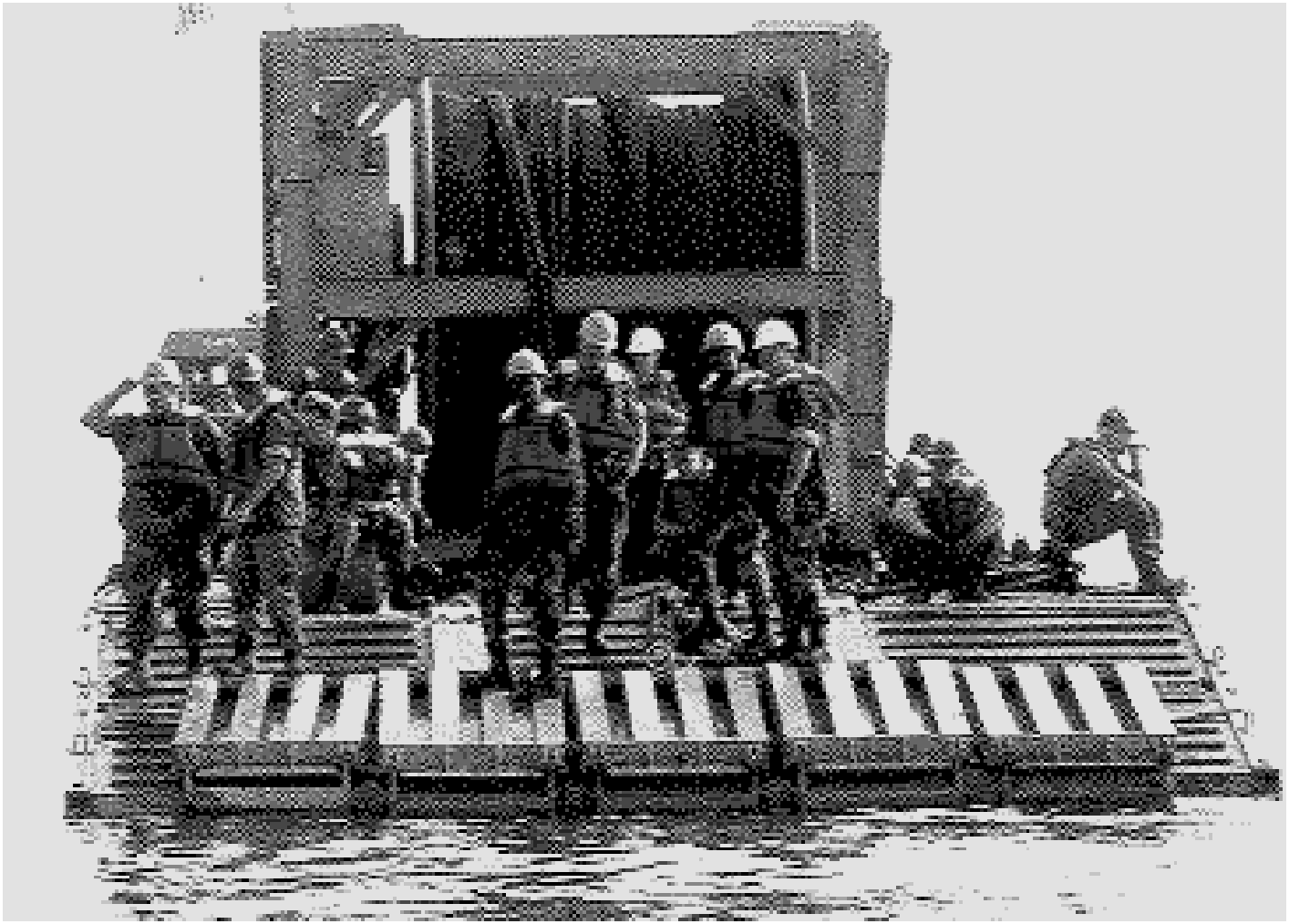


CONCEPT OF OPERATIONS

- **Conduct an Amphibious Assault Bulk Fuel System (AABFS) operation with Marine components.**
- **Install hose reels, booster stations, and conduct fuel operation.**
- **Transfer fuel from barges to shore based bladders via 6” AABFS floating hoseline.**

AABFS LAYOUT





Buoyant Hose

BUOYANT HOSELINE

- Short term use - 30 days or less
- 6” hose - 5,000 feet Per Hose Reel

Designed to be installed and operated under the fol
Maximum Conditions:

Current	4 knots
Wind	10 knots
Sea State	3
Surf	6 feet

Under favorable conditions, installation time is 4 to
per 5,000 feet.

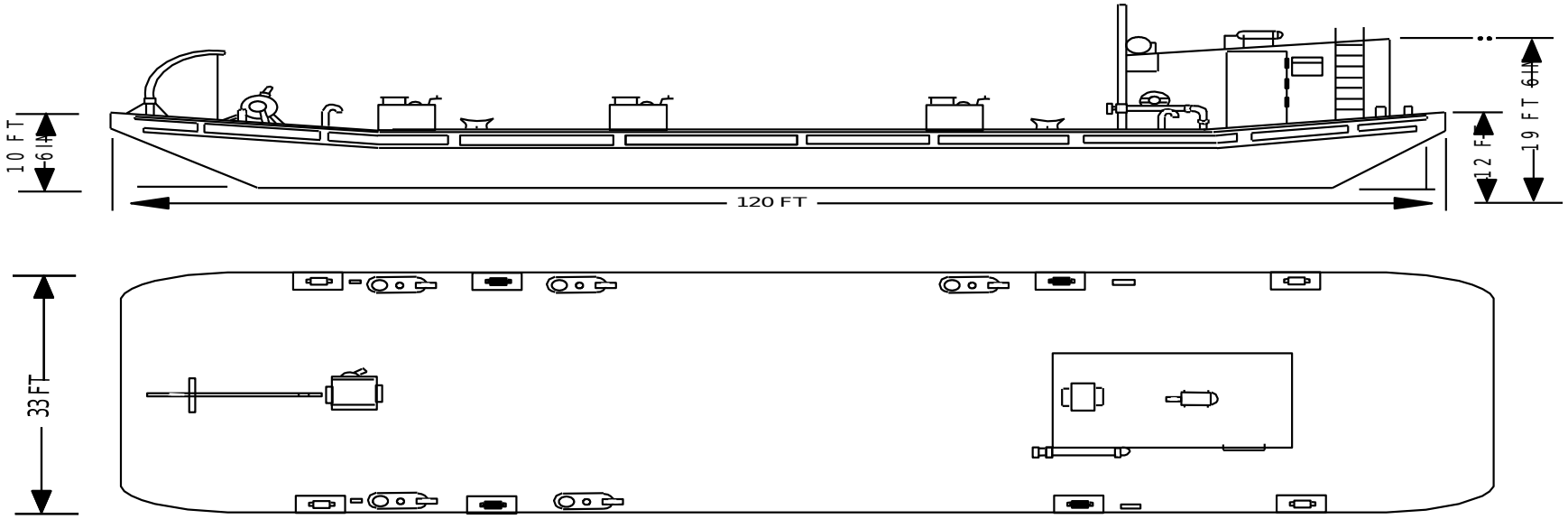
Side Loading Warping Tug (SLWT)

FLOATING CAUSEWAY
(92’ X 21’)

"FROM THE SEA"

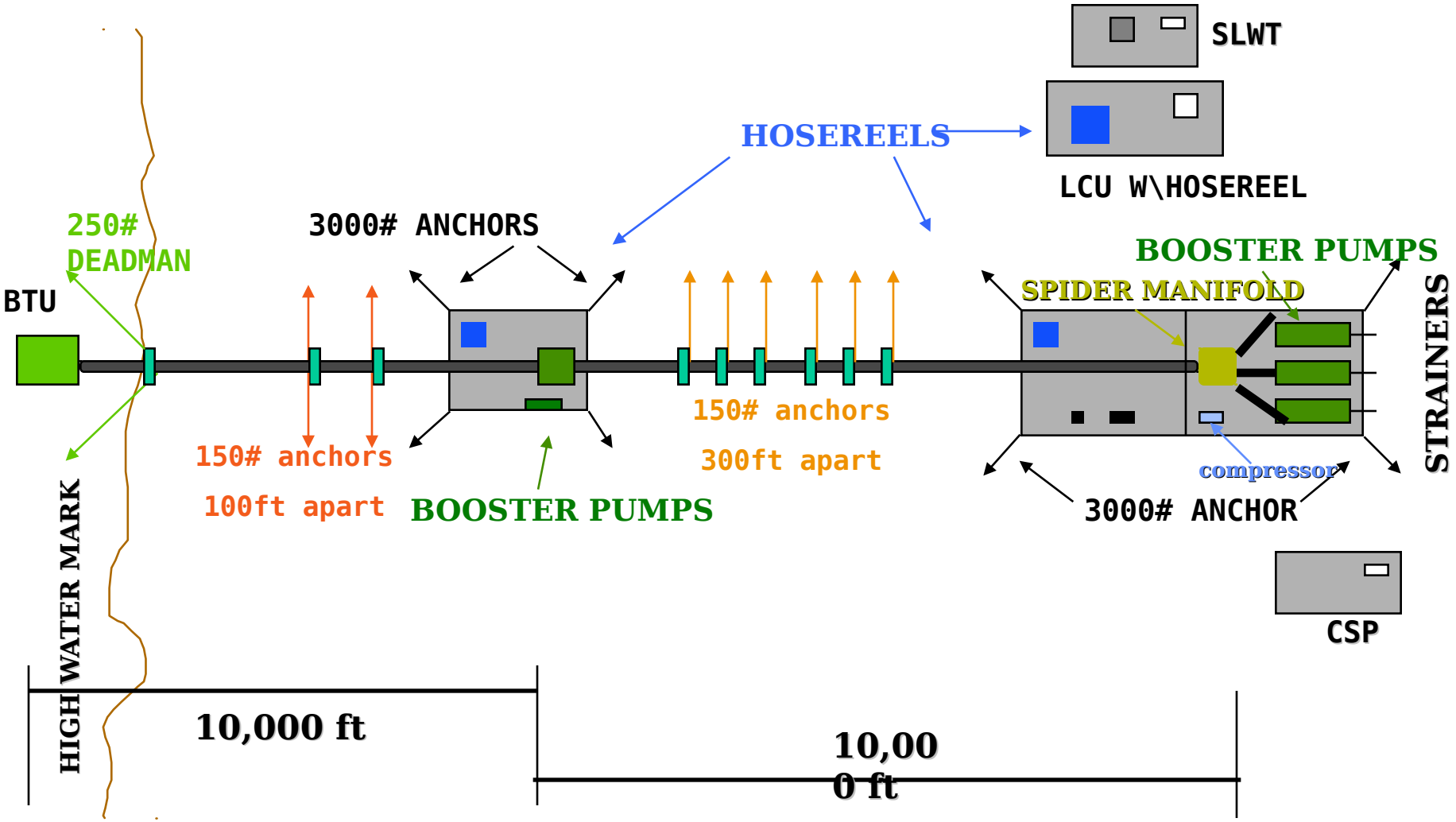
To support USMC fuel operations with "From the Sea" fuel delivery capability, I recommend 3d FSSG place a requirement on the 49th POL Group to provide over the shore fuel support along the east coast Once a requirement is laid upon them, the 49th POL Group can request to have US Army 4160 barrel steel barges, which are in PWR at Concord, California, be slated for use in our AOR.

THE 4,160-BARREL STEEL BARGE



The 4,160-barrel steel barge. This barge can transport 4,160 barrels (174, 720 gallons) of bulk liquids cargo or 578 long tons of dry cargo. The barge has an overall length of 120 feet, a 33-foot beam, and a molded depth of 10 1/2 feet. It has an integral diesal-engine-driven, liquid-cargo pump to receive and discharge liquid cargo.

Questions???


SLWT
HOSEREELS
LCU W\HOSEREEL
250#
DEADMAN
3000# ANCHORS
BOOSTER PUMPS
SPIDER MANIFOLD
BTU
STRAINERS
150# anchors
300ft apart
150# anchors
100ft apart
BOOSTER PUMPS
compressor
3000# ANCHOR
CSP
HIGH WATER MARK
10,000 ft
10,00
0 ft